## What is claimed is:

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- 1. A spool for winding-up an adhesive carrier tape of a packaging taped bag chain in an apparatus for taking up a succession of packaging bags, the spool comprising a core with a core surface and walls forming a race where turns of tape are wound-up, characterized in that the core surface comprises resilient means for releasing a radial pressure acting on the turns of tape that have been wound-up first.
- 2. The spool according to claim 1, wherein said resilient means comprise at least one resilient projecting tongue.
- 3. The spool according to claim 2, wherein a plurality of equally-spaced resilient projecting tongues are provided on the core surface.
- 4. The spool according to claim 2, wherein said at least one tongue is substantially tangent to the core surface.
  - 5. The spool according to claim 2, wherein said at least one tongue is inclined at an acute angle with respect to a tangent to the spool surface.
  - 6. The spool according to claim 2, wherein said at least one tongue is moulded with the core surface or a part thereof.
- 7. The spool according to claim 2, wherein the core surface comprises cavities at the base of said at least one tongue.
- 8. The spool according to claim 1, wherein said resilient means comprise a continuous liner of a resilient material.
- 9. The spool according to claim 8, wherein said resilient material comprises a material selected from the group consisting of rubber and foamed plastic material.
- 10. A spool assembly for winding-up at least two adhesive carrier tapes of a packaging taped bag chain in an apparatus for taking up a succession of packaging bags, the spool assembly comprising at least two spools, each spool comprising a core with a core surface and walls forming a race where turns of tape are wound-

up, wherein the core surface comprises resilient means for releasing a radial pressure acting on the turns of tape that have been wound up first.

- 11. The spool assembly according to claim 10, wherein the spool assembly comprises a differential gear unit positioned between said at least two spools, said differential gear unit being adapted to be, in use, removably connectable to a shaft of a bag loader whereby the at least two adhesive carrier tapes can be wound up on said spools with equal tension.
- 12. The spool assembly according to claim 11, wherein each of said spools has a recess in a surface which faces the other spool and wherein said differential gear unit is positioned in said recess.
- 13. The spool assembly according to claim 11, wherein each of said at least two spools is integrally formed with a bevel gear coaxial with said spool.
- 14. The spool assembly according to claim 13, wherein said differential gear unit comprises a core and at least one satellite pinion gear attached to said core and positioned to mesh with each bevel gear.
- 15. The spool assembly according to claim 14, wherein said differential gear unit core comprises a mating hole for mating with a shaft of a bag loader.
- 16. The spool assembly according to claim 11, wherein it is contained in a housing, thus providing a cassette.
- 17. An apparatus for taking up a succession of imbricated packaging bags carried by at least two carrier tapes, said apparatus comprising at least two carrier tape winding spools positioned coaxially with one another; and a differential gear unit positioned between said spools, said differential gear unit being adapted to be, in use, removably connectable to a shaft of a bag loader whereby two carrier tapes can be wound up on said spools with equal tension, wherein the spools each comprise a core with a core surface and walls forming a race where turns of tape are wound-up, wherein the core surface comprises resilient means for releasing a radial pressure acting on the turns of tape that have been wound up first.

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- 18. The apparatus according to claim 17, wherein each of said spools has a recess in a surface which faces the other spool and wherein said differential gear unit is positioned in said recesses.
- 19. The apparatus according to claim 17, wherein each of said spools is integrally formed with a bevel gear coaxial with said spool.
  - 20. The apparatus according to claim 19, wherein said differential gear unit comprises a core and at least one satellite pinion gear attached to said core and positioned to mesh with each bevel gear.
  - 21. The apparatus according to claim 20, wherein said differential gear unit core comprises a mating hole for mating with a shaft of a bag loader.
- 15 22. The apparatus according to claim 17, wherein said spools and differential gear unit are housed in a cassette

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